

# ABSTRACT

When organohalosilanes are prepared by charging a  
5 reactor with a contact mass containing metallic silicon and a  
copper catalyst, and introducing an organohalide-containing  
gas feed into the reactor, the partial pressure of  
organohalide gas in the gas feed is manipulated so as to keep  
the temperature within the reactor substantially constant.  
10 The precise control of reactor internal temperature ensures  
that organohalosilanes with a higher useful silane content  
are produced in a safe and inexpensive manner and in high  
yields from the contact mass having perpetually changing  
reactivity.